ISL-S Solar Street Lights

LED 10-50W

1,400-7,000lm

140lm/W Efficiency

180-265V

Type 4X,IP66

-40℃~ +55℃

Heavy Industry

Wet & Corrosive Location

Model	Lumens	Wattage	Lumens per Watt	Equivalent HID Luminaire
ISL–S–10W	1400	10W	140	70W
ISL–S–20W	2800	20W	140	70–100W
ISL–S–30W	4200	30W	140	100W
ISL–S–40W	5600	40W	140	100–150W
ISL–E–50W	7000	50W	140	175W

Applications

- Usage by application: internal road of outdoor loading dock, outdoor warehouse, factory, work–shop, seaport, street, road, roadway, driveway, walkway, freeway, highway, city, country.
- Usage by physical: installed on the ground–based pole, mast, stanchion, steel based bracket or platform where corrosive, wet, sunny condition exists.
- Solar led street light is equipped with a photo cell which can transfer the light from the sun solar energy into electricity to run the led street light to ensure the illumination, thus, solar led street light are applied for somewhere electricity is impossible or not convenient to reach or some–where electricity device cost big investment and electricity power supply is not cost–effective, beneficial for applications below:
  - > Urban road, rural road and other remote roadway, highway
  - > Road signs, trails, mountains, pavilions, parking lots
  - > Playground, stadium
  - > Outdoor warehouse, storage area

Features

Born for solar street lights, solar street lamp ISL–S series is designed with a solar photocell to make full use of the solar energy to offer power for led street lights. It also can be used as solar panel street light, street light photocell, shoebox light especially for freeway, highway where power is not capable to reach. They are designed to be compact and self–sufficient in terms of their power source. The solar panel captures the daylight energy and store it in the battery unit, which powers the street light as required when it is dark.

> Solar panel battery for lighting at daytime and nighttime autonomously

> Die cast aluminum alloy enclosed structure to withstand strong wind and rain.

Standard Materials

Housing: Die cast aluminum with anti–corrosion powder coat, grey

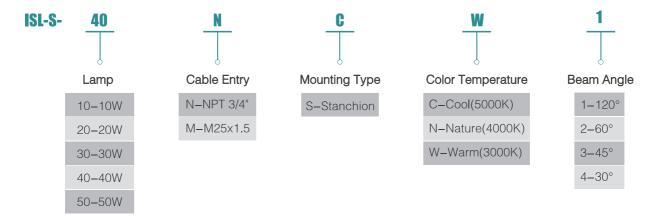**Lens:** Heat–resistant and impact–resistant tempered glass

Gaskets: Silicone

Technical Datasheet

Rated Voltage	180–265V AC				
Wattage (W)	10W	20W	30W	40W	50W
Lumens (LM)	1400	2800	4200	5600	7000
Color Temperature	5000K/4000K/3000K				
IP Grade	Wet Locations, Type 4X, IP66				
Ambient Temperature	−40℃~ +55℃ /−40°F ~ +131°F				
Cable Entry	NPT 3/4" or M25X1.5 (adaptor for M20x1.5, NPT 1", NPT1 1/2")				
Terminals	Terminal blocks ≤ 2.5mm², cable diameter 10–14mm				
Mounting Type	Stanchion				
Beam Angle	120° / 60° / 45° / 30°				

Catalogue Numbering System

ISL-S-   **40**   **N**   **C**   **W**   **1**

Lamp	Cable Entry	Mounting Type	Color Temperature	Beam Angle
10–10W	N–NPT 3/4"	S–Stanchion	C–Cool(5000K)	1–120°
20–20W	M–M25x1.5		N–Nature(4000K)	2–60°
30–30W			W–Warm(3000K)	3–45°
40–40W				4–30°
50–50W				

Mounting Options & Dimensions (mm/inch)

W: Wall Bracket Type

641

114

241